

CLAIMS

1. A method for post-analyzing and sequentially visualizing a plurality of predefined metrics in a stored dynamic data space, comprising:
 - storing in a datastore, values corresponding to the predefined metrics received from an agent, each of said values representing a characteristic of one of a plurality of entities in the data space;
 - retrieving said stored values from said datastore; and
 - displaying said retrieved values for selected ones of said predefined metrics for sequential viewing on a graphical display.
2. The method according to claim 2, wherein said retrieving step, comprises:
 - accessing values in said datastore;
 - determining a starting position and an ending position of said stored values to be retrieved; and
 - acquiring said sequentially stored values from said starting position to said ending position.
3. The method according to claim 3, wherein said step of displaying said retrieved values, comprises:
 - selecting at least one of the metrics for display for selected ones of said entities; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 4. The method according to claim 4, further comprising controlling said sequentially
2 changing graphical display by selecting a playback function from the group
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,
4 pausing, stepping and stopping.

1 5. A method for post-analyzing and visualizing predefined metrics for at least one of
2 a plurality of components in a CDN, the method comprising:

3 storing in a datastore, values for the predefined metrics received from an
4 agent, each of said values representing a characteristic of each component in
5 the CDN;

6 retrieving said stored values from said datastore; and

7 displaying said retrieved values for selected ones of said predefined
8 metrics for sequential playback on a graphical display.

1 6. The method according to claim 6, wherein said storing step, comprises storing
2 said values sequentially in time as said values are collected.

1 7. The method according to claim 7, wherein said retrieving step, comprises:

2 accessing stored values in said datastore;
3 determining a starting position and an ending position of said stored
4 values to be retrieved; and
5 acquiring said sequentially stored values from said starting position
6 to said ending position.

1 8. The method according to claim 8, wherein said step of displaying said retrieved
2 values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 components; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 9. The method according to claim 9, further comprising controlling said sequentially
2 changing graphical display by selecting a playback function from the group
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,
4 pausing, stepping and stopping.

1 10. A system for post-analyzing and visualizing predefined data metrics for at least
2 one of a plurality of communication components in a CDN, the system
3 comprising:

4 a datastore for storing values received from an agent for said predefined
5 metrics for each of the plurality of communication components;

6 a computing device for retrieving said stored values from said datastore;
7 and

8 a graphical display for sequentially playing back and viewing said
9 retrieved values for selected ones of said predefined metrics on a graphical
10 display.

11. The system according to claim 11, wherein said datastore, comprises a storage
for storing said values within said datastore as said values are collected.

12. The system according to claim 12, wherein said computing device, comprises:

a processor for accessing stored values in said datastore;

a processing means for determining a starting position and an ending
position of said stored values to be retrieved; and

a second processing means for acquiring said sequentially stored values
from said starting position to said ending position.

13. The system according to claim 13, wherein said display, comprises:

means for selecting at least one of the metrics for display for selected
ones of said communication component; and

4 a graphical display for displaying said selected metrics, said display
5 sequentially changing according to changes in said acquired values caused by
6 changes in the stored dynamic data space.

1 14. The system according to claim 14, further comprising a user interface for
2 controlling said sequentially changing graphical display by selecting a playback
3 function from the group consisting of playing, forwarding, fast forwarding,
4 rewinding, fast rewinding, pausing, stepping and stopping function.

1 15. A machine readable storage having stored thereon, a computer program having
2 a plurality of code sections for post-analyzing and sequentially visualizing a
3 plurality of predefined metrics in a stored dynamic data space, said code
4 sections executable by a machine for causing the machine to perform the steps
5 of:

6 storing in a datastore, values corresponding to predefined metrics
7 received from an agent, each of said values representing a characteristic of one
8 of a plurality of an entities in the dynamic data space;

9 retrieving said stored values from said datastore; and

10 displaying said retrieved values for selected ones of said predefined
11 metrics for sequential viewing on a graphical display.

1 16. The machine readable storage according to claim 16, wherein said storing step,
2 comprises storing said values for the predefined metrics sequentially in time as
3 said values are collected.

1 17. The machine readable storage according to claim 17, wherein said retrieving
2 step, comprises:

3 accessing values in said datastore;

4 determining a starting position and an ending position of said stored
5 values to be retrieved; and

6 acquiring said sequentially stored values from said starting position
7 to said ending position.

1 18. The machine readable storage according to claim 18, wherein said step of
2 displaying said retrieved values, comprises:

3 selecting at least one of the metrics for display for selected ones of said
4 entities; and

5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 19. The machine readable storage according to claim 19, further comprising
2 controlling said sequentially changing graphical display by selecting a playback

3 function from the group consisting of playing, forwarding, fast forwarding,
4 rewinding, fast rewinding, pausing, stepping and stopping.

1 20. A machine readable storage having stored thereon, a computer program having
2 a plurality of code sections for post-analyzing and visualizing predefined metrics
3 for at least one of a plurality of components in a CDN, said code sections
4 executable by a machine for causing the machine to perform the steps of:

5 storing in a datastore, values for the predefined metrics received from an
6 agent, each of said values representing a characteristic of each component in
7 the CDN;

8 retrieving said stored values from said datastore; and

9 displaying said retrieved values for selected ones of said predefined
10 metrics for sequential playback on a graphical display.

1 21. The machine readable storage according to claim 21, wherein said storing step,
2 comprises storing said values sequentially in time as said values are collected.

1 22. The machine readable storage according to claim 22, wherein said retrieving
2 step, comprises:

3 accessing stored values in said datastore;

4 determining a starting position and an ending position of said stored
5 values to be retrieved; and

6 acquiring said sequentially stored values from said starting position
7 to said ending position.

1 23. The machine readable storage according to claim 23, wherein said step of
2 displaying said retrieved values, comprises:
3 selecting at least one of the metrics for display for selected ones of said
4 components; and
5 providing a graphical display of said selected metrics, said display
6 sequentially changing according to changes in said acquired values caused by
7 changes in the stored dynamic data space.

1 24. The machine readable storage according to claim 24, further comprising
2 controlling said sequentially changing graphical display by selecting a playback
3 function from the group consisting of playing, forwarding, fast forwarding,
4 rewinding, fast rewinding, pausing, stepping, and stopping.